

- [020] A switch 1 displays switch cylinders 2, 4, 6 and 8 that can be placed in a common housing (not shown here). The switch cylinder 2 exhibits switch chambers 10 and 12, the switch cylinder 4 switch chambers 14 and 16, the switch cylinder 6 switch chambers 18 and 20 as well as the switch brackets 22 and 24. The switch bracket 10 of switch cylinder 2 is linked with an opening valve 26 and a closing valve 28. The switch chamber 12 of switch cylinder 2 is linked with an opening valve 30 and a closing valve 32. The switch chamber 14 of switch cylinder 4 is linked with an opening valve 34 and a closing valve 36. The switch chamber 16 of switch cylinder 4 is linked with an opening valve 38 and a closing 40. The switch chamber 18 of switch cylinder 6 is linked with an opening valve 42 and a closing valve 44. The switch chamber 20 of switch cylinder 6 is linked with an opening valve 46 and a closing valve 48. The switch chamber 22 of switch cylinder 8 is linked with an opening valve 50 and a closing valve 52. The switch chamber 24 of switch cylinder 8 is linked with an opening valve 54 and a closing valve 56. The opening valve 26, 30, 34, 38, 42, 46, 50 and 54 are connected through a first switch cylinder supply line (74) linked to an additional valve 62 which is in turn connected with a ventilation supply line 58 and [[on]]to an additional valve 68 which is in turn connected with an exhaust line 60. Closing valves 28, 32, 36, 40, 44, 52 and 56 are connected through a second cylinder supply line (76) to an ~~over~~ additional valve[[s]] 64 which is in turn connected with a ventilation supply line 58 and to an additional valve 66 which is in turn connected with [[an]] exhaust line 60 connected. The additional ventilation supply line 58 and the exhaust supply line 60 can be closed/opened and/or functions can be changed separately from each other by the additional valve 62, 64, 66 and 68. Thereby it is possible that the opening valve 26, 30, 34, 38, 42, 46, 50 and 54 can overtake and reverse the function of closing valve 28, 32, 36, 40, 44, 48, 52 and 56. The switch cylinder 2 described in the execution example is responsible for the switch of course R and 1 in round gear, the switch cylinder 4 for the switch of course 2 and 3 in the round gear, the switch cylinder 6 for the switch of split auxiliary transmission and the switch cylinder 8 for switching the range auxiliary transmission. A switch valve 70 is linked with the ventilation supply line 58 and a switch valve 72 with the exhaust line 60. The gear brakes that are not represented on the switch valve 70 and 72 is linked with the supply line 58 and the exhaust line 60.

1-4. CANCELED)

5. (CURRENTLY AMENDED) The switch (1) according to claim [[4]]10,
wherein the opening valve (26) and the closing valve (25) are each one of a directional
valve[[s]], a proportional valve[[s]] and a combination of a directional valve and a
proportional valve. ✓

6. (CANCELED)

7. (CANCELED)

8. (CURRENTLY AMENDED) A switch (1) for a vehicle transmission, the switch comprising:

a plurality of switch cylinders (2, 4, 6, 8), each switch cylinder (2, 4, 6, 8) having a first switch chamber (10, 14, 18, 22) and a second switch chamber (12, 16, 20, 24);

a first switch cylinder supply line (74) and a second switch supply line (76);

a plurality of opening valves (26, 30, 34, 38, 42, 46, 50, 54) and the first switch chamber (10, 14, 18, 22) of each of the plurality of switch cylinders (2, 4, 6, 8) communicating with one of the plurality of opening valves (26, 30, 34, 38, 42, 46, 50, 54); a plurality of closing valves (28, 32, 36, 40, 44, 48, 52, 56), the second switch chamber (10, 14, 18, 22) of each of the plurality of switch cylinders (2, 4, 6, 8) communicating with one of the plurality of closing valves (28, 32, 36, 40, 44, 48, 52, 56);

wherein the first switch chamber (10, 14, 18, 22) and the second switch chamber (12, 16, 20, 24) of each switch cylinder (2, 4, 6, 8) are each connected to the first switch cylinder supply line (74) through a corresponding one of opening valves (26, 30, 34, 38, 42, 46, 50, 54) and to the second switch supply line (76) through a corresponding one of the closing valves (28, 32, 36, 40, 44, 48, 52, 56);

a ventilation supply pressure line (58) and in primary communication with each of the plurality of opening valves (26, 30, 34, 38, 42, 46, 50, 54) and in secondary communication with each of the plurality of closing valves (28, 32, 36, 40, 44, 48, 52, 56), and the pressure line (58) in further communication with a first pair of additional valves(62, 64); an exhaust pressure line (60) in primary communication with each of the plurality of closing valves (28, 32, 36, 40, 44, 48, 52, 56) and in secondary communication with each of the plurality of opening valves (26, 30, 34, 38, 42, 46, 50, 54), the pressure exhaust line (60) in further communication with a second pair of additional valves (66, 68);

a first additional valve (62) connected between the ventilation supply line (58) and the first switch cylinder supply line (74); ✓
a second additional valve (64) connected between the ventilation supply line (58) and the second switch supply line (76); ✓
a third additional valve (66) connected between the exhaust line (60) and the first switch cylinder supply line (74); and ✓
a fourth additional valve (68) connected between the exhaust line (60) and the second switch supply line (76); whereby the connections between one of the first switch cylinder supply line (74) and the second switch supply line (76) and the ventilation supply line (58) and the exhaust line (60) through the first, second, third and fourth additional valves (62, 64, 66, 68) may be selectively swapped, and whereby ✓
a function of an opening valve (26, 30, 34, 38, 42, 46, 50, 54) and a function of a corresponding closing valve (28, 32, 36, 40, 44, 48, 52, 56) may be selectively exchanged ✓
the plurality of opening valves (26, 30, 34, 38, 42, 46, 50, 54) and the pressure line (58) in primary communication therewith and the plurality closing valves (28, 32, 36, 40, 44, 48, 52, 56) and the pressure exhaust line (60) in communication therewith can separately be one or more of opened, closed, blocked and swapped in an event of failure of one or more of the plurality of opening valves (26, 30, 34, 38, 42, 46, 50, 54) and the plurality closing valves (28, 32, 36, 40, 44, 48, 52, 56). ✓

9. (CANCELED)

10. (NEW) A switch (1) for a vehicle transmission, comprising:
 a switch cylinder (2);
 a first switch cylinder supply line (74) and a second switch supply line (76);
 an opening valve (26) connected between the first switch cylinder supply line (74) and a switch chamber (10, 12) of the switch cylinder (2);
 a closing valve (28) connected between the second cylinder supply line (76) and the switch chamber (10, 12) of the switch cylinder (2);
 a ventilation supply line (58) and an exhaust line (60);
 a first additional valve (62) connected between the ventilation supply line (58) and the first switch cylinder supply line (74);
 a second additional valve (64) connected between the ventilation supply line (58) and the second switch supply line (76);

a third additional valve (66) connected between the exhaust line (60) and the first switch cylinder supply line (74); and

a fourth additional valve (68) connected between the exhaust line (60) and the second switch supply line (76); whereby the connections between one of the first switch cylinder supply line (74) and the second switch supply line (76) and the ventilation supply line (58) and the exhaust line (60) through the first, second, third and fourth additional valves (62, 64, 66 , 68) may be selectively swapped, and

a function of the opening valve (26) and a function of the closing valve (28, 32, 36, 40, 44, 48, 52, 56) may be selectively exchanged.